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#### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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| Application / Conf. No. | 10/090,251 /   | 4101 |   |  |  |  |
| Filing Date             | March 01, 2002 |      | _ |  |  |  |
| First Named Inventor    | Warren E. Cory |      |   |  |  |  |
| Art Unit                | 2631           |      |   |  |  |  |
| Examiner Name           | Unknown        |      |   |  |  |  |
| Attorney Docket Number  | X-1045 US      |      |   |  |  |  |

|                        |              |   | U.S. PATENT                    | DOCUMENTS  |   |
|------------------------|--------------|---|--------------------------------|--|---|
| Examiner<br>Initials * | Cite<br>No.' | Document Number Number - Kind Code (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Floures Appear |
| Ji                     |              | US- 4,758,985                                 | 07-19-88                       | Carter   |   |
|                        |              | US- 5,142,625                                 | 08-25-92                       | Nakai  |   |
|                        |              | US- 4,855,669                                 | 08-08-89                       | Mahoney  |   |
|                        |              | US- 34,363                                    | 08-31-93                       | Freeman  |   |
|                        |              | US- 5,072,418                                 | 12-10-91                       | Boutaud et al.                                     |   |
|                        |              | US- 5,274,570                                 | 12-28-93                       | Izumi et al.                                       | JAN 2 2 2004  |
|                        |              | US- 5,550,782                                 | 08-27-96                       | Cliff et al.                                       | JAIV & S  |
|                        |              | US- 5,347,181                                 | 09-13-94                       | Ashby et al.                                       | Technology Center 2600  |
|                        |              | US- 5,339,262                                 | 08-16-94                       | Rostoker et al.                                    | 18chilology Contain 2000  |
|                        |              | US- 5,311,114                                 | 05-10-94                       | Sambamurthy et al.                                 |   |
|                        |              | US- 5,504,738                                 | 04-02-96                       | Sambamurthy et al.                                 |   |
|                        |              | US- 5,552,722                                 | 09-03-96                       | Kean   |   |
|                        |              | US- 6,467,009                                 | 10-15-02                       | Young et al.                                       |   |
| <del>  </del>          | <u> </u>     | US- 5,914,616                                 | 06-22-99                       | Winegarden et al.                                  | ,   |
|                        |              | US- 5,457,410                                 | 10-10-95                       | Ting   |   |
|                        | ·            | US- 5,740,404                                 | 04-14-98                       | Baji   |   |
|                        |              | US- 5,581,745                                 | 12-03-96                       | Muraoka  |   |
|                        | <b></b>      | US- 5,742,179                                 | 04-21-98                       | Sasaki   |   |
| 7                      | ·            | US- 5,600,845                                 | 02-04-97                       | Gilson   |   |
| 31                     | <b> </b>     | US- 5,574,930                                 | 11-12-96                       | Halverson Jr., et al.                              |   |

|               | FOREIGN PATENT DOCUMENTS                        |                         |                              |  |   |     |  |
|---------------|---|-------------------------|------------------------------|--|---|-----|--|
| Examiner Cite |   | Foreign Patent Document | Publication Date             | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages | Τ 4 |  |
| Initials No.1 | Country Code 3 -Number 4 Kind Code 3 (If known) | MM-DD-YYYY              | Applicant of order occurrent | or Relevant<br>Figures Aggest                      | Ľ   |     |  |
| 10.           |   | EP 0315275 A2           | 10-05-89                     | LSI Logic  |   |     |  |
|               |   | WO 93 25968 A1          | 12-23-93                     | Furtek   |   |     |  |
|               |   | EP 0 905 906 A2         | 03-31-99                     | Lucent   |   |     |  |
| 41            |   | EP 1 235 351 A1         | 08-28-02                     | Matsushita Electric                                |   | _   |  |
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| Examiner<br>Signature | ain than | Λ | Date<br>Considered | 99/27/ | 25           |

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Applicant's unique citation designation number (optional). \*See Kinds of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. \*Enter Office that issued the document, by the two-latter code (WIPO Standard ST.3). \*For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. \*Applicant is to place a check mark here if English language Translation is attached.

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#### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application / Conf. No. 10/090,251 4101 Filing Date March 01, 2002 **First Named Inventor** Warren E. Cory Art Unit 2631 **Examiner Name** Unknown

**Attorney Docket Number** of X-1045 US

| OTHER - NON PATENT LITERATURE DOCUMENTS |   |   |    |  |  |
|---|---|---|----|--|--|
| Examiner<br>Initials *                  | Cite<br>No <sup>1</sup>   | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | Τ² |  |  |
| Į.                                      |   | SAYFE KIAEI et al., "VLSI DESIGN OF DYNAMICALLY RECONFIGURABLE ARRAY<br>PROCESSOR-DRAP," IEEE, February 1989, pp. 2484-2488, V3.6, IEEE, 3 Park Avenue, 17th Floor, New<br>York, NY 10016-5997  |    |  |  |
|   | VASON P. SRINI, "FIELD PROGRAMMABLE GATE ARRAY (FPGA) IMPLEMENTATION OF DIGITAL SYSTEMS: AN ALTERNATIVE TO ASIC," IEEE, May 1991, pp. 309-314, IEEE, 3 Park Avenue, 17th Floor, New York, NY 10016-5997 |   |    |  |  |
|   |   | G. MAKI et al., "A RECONFIGURABLE DATA PATH PROCESSOR," IEEE, August 1991, pp. 18-4.1 to 18-4.4, IEEE, 3 Park Avenue, 17th Floor, New York, NY 10016-5997   |    |  |  |
|   |   | IACOB DAVIDSON, "FPGA IMPLEMENTATION OF RECONFIGURABLE MICROPROCESSOR," IEEE, March 1993, pp. 3.2.1 - 3.2.4, IEEE, 3 Park Avenue, 17th Floor, New York, NY 10016-5997   |    |  |  |
|   |   | CHRISTIAN ISELI et al., "BEYOND SUPERSCALER USING FPGA's," IEEE, April 1993, pp. 486-490, IEEE, 3 Park Avenue, 17th Floor, New York, NY 10016-5997  |    |  |  |
|   |   | P.C. FRENCH et al., "A SELF-RECONFIGURING PROCESSOR,"; IEEE, July 1993, pp. 50-59, IEEE, 3 Park Avenue, 17th Floor, New York, NY 10016-5997   |    |  |  |
| ·                                       |   | Christian Iseli et al., "SPYDER: A RECONFIGURABLE VLIW PROCESSOR USING FPGA's," IEEE, July 1993, pp. 17-24, IEEE, 3 Park Avenue, 17th Floor, New York, NY 10016-5997  |    |  |  |
|   |   | MICHAEL J. WIRTHLIN et al., "THE NANO PROCESSOR: A LOW RESOURCE RECONFIGURABLE 'PROCESSOR' IEEE, February 1994, pp. 23-30, IEEE, 3 Park Avenue, 17th Floor, New York, NY 10016-5997   | ·  |  |  |
|   |   | WILLIAM S. CARTER, "THE FUTURE OF PROGRAMMABLE LOGIC and ITS IMPACT ON DIGITAL SYSTEM DESIGN," April 1994, IEEE, pp. 10-16, IEEE, 3 Park Avenue, 17th Floor, New York, NY 10016-5997  |    |  |  |
|   |   | ANDRE' DEHON, "DPGA-COUPLED MICROPROCESSORS: COMMODITY ICs FOR THE EARLY 21ST CENTURY,"IEEE, February 1994, pp. 31 - 39, IEEE, 3 Park Avenue, 17th Floor, New York, NY 10016-5997   |    |  |  |
| J                                       |   | OSAMA T. ALBAHARNA, "AREA & TIME LIMITATIONS OF FPGA-BASED VIRTUAL HARDWARE," IEEE, April 1994, pp. 184 - 189, IEEE, 3 Park Avenue, 17th Floor, New York, NY 10016-5997   |    |  |  |

Date Considered Examiner Signature Q

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|-------------------------|----------------|------|--|--|--|
| Application / Conf. No. | 10/090,251 /   | 4101 |  |  |  |
| Filing Date             | March 01, 2002 |      |  |  |  |
| First Named Inventor    | Warren E. Cory |      |  |  |  |
| Art Unit                | 2631           |      |  |  |  |
| Examiner Name           | Unknown        |      |  |  |  |
| Attorney Docket Number  | X-1045 US      |      |  |  |  |

|            |              | •  | U.S. PATENT                    | DOCUMENTS  |   |
|------------|--------------|--|--------------------------------|--|---|
| Examiner   | Cite<br>No.1 | Document Number  Number - Kind Code (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant |
| Initials.* | 140.         | US- 5,473,267                                  | 12-05-95                       | Stansfield   | Figures Appear  |
|            |              | US- 5,742,180                                  | 04-21-98                       | DeHon et al.                                       | DEOENVED  |
| }          |              | US- 5,737,631                                  | 04-07-98                       | Trimberger   | RECEIVED  |
|            |              | US- 5,748,979                                  | 05-05-98                       | Trimberger   |   |
|            |              | US- 6,578,174                                  | 06-10-03                       | Zizzo  | JAN 2 2 2004  |
|            |              | US- 6,026,481                                  | 02-15-00                       | New et al.   |   |
|            |              | US- 5,705,938                                  | 01-06-98                       | Kean   | Technology Center 2600  |
|            |              | US- 5,500,943                                  | 03-19-96                       | Ho et al.  |   |
|            |              | US- 10/043,769                                 | 01-09-02                       | Schulz   |   |
|            |              | US- 5,809,517                                  | 09-15-98                       | Shimura  | :   |
|            |              | US- 5,543,640                                  | 08-06-96                       | Sutherland et al.                                  |   |
|            | *****        | US- 5,574,942                                  | 11-12-96                       | Colwell et al.                                     |   |
|            |              | US- 6,604,228                                  | 08-05-03                       | Patel et al.                                       |   |
|            |              | US- 5,933,023                                  | 08-03-99                       | Young  |   |
|            |              | US- 6,483,342                                  | 11-19-02                       | Britton et al.                                     |   |
|            |              | US- 6,389,558                                  | 05-14-02                       | Herrmann et al.                                    |   |
|            |              | US- 5,732,250                                  | 03-24-98                       | Bates et al.                                       |   |
|            |              | US- 5,889,788                                  | 03-30-99                       | Pressly et al.                                     |   |
|            |              | US- 5,874,834                                  | 02-23-99                       | New  |   |
| d          |              | US- 5,835,405                                  | 11-10-98                       | Isul et al.  |   |

|            | FOREIGN PATENT DOCUMENTS |                         |                                |  |   |     |  |  |  |
|------------|--------------------------|-------------------------|--------------------------------|--|---|-----|--|--|--|
| Examiner   | Cite                     | Foreign Patent Document | Publication Date               | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages | 7.6 |  |  |  |
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### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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| PLICANT  | First Named Inventor   | Warren E. Cory | RECE  |
|          | Art Unit               | 2631           |       |
| cessary) | Examiner Name          | Unknown        | IAN 2 |
| 7        | Attorney Docket Number | X-1045 US      |       |

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|   | OTHER NON PATENT LITERATURE DOCUMENTS |   |    |  |  |  |
|---|---------------------------------------|---|----|--|--|--|
| Examiner<br>Initials *  | Cite<br>No.'                          | include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | ۲, |  |  |  |
| <u>آ</u>  |                                       | XILINX, INC., "THE PROGRAMMABLE LOGIC DATA BOOK," 1994, Revised 1995, Xilinx, Inc., 2100 Logic Drive, San Jose, CA. 95124.  |    |  |  |  |
|   |                                       | XILINX, INC., "THE PROGRAMMABLE LOGIC DATA BOOK," 1994, Revised 1995, pp 2-109 to 2-117, Xilinx, Inc., 2100 Logic Drive, San Jose, CA. 95124.   |    |  |  |  |
|   |                                       | XILINX, INC., "THE PROGRAMMABLE LOGIC DATA BOOK," 1994, Revised 1995, pp 2-9 to 2-18; 2-187 to 2-199, Xilinx, Inc., 2100 Logic Drive, San Jose, CA. 95124.  |    |  |  |  |
|   |                                       | XILINX, INC., "THE PROGRAMMABLE LOGIC DATA BOOK," 1994, Revised 1995, pp 2-107 to 2-108, Xilinx, Inc., 2100 Logic Drive, San Jose, CA. 95124.   | •  |  |  |  |
|   |                                       | CHRISTIAN ISELI et al., "AC++ COMPILER FOR FPGA CUSTOM EXECUTION UNITS SYNTHESIS," 1995, pp. 173-179, IEEE, 3 Park Avenue, 17th Floor, New York, NY 10016-5997  |    |  |  |  |
|   |                                       | INTERNATIONAL BUSINESS MACHINES, "POWERPC 405 EMBEDDED PROCESSOR CORE USER MANUAL," 1996, 5TH Ed., pp. 1-1 TO X-16, International Business Machines, 1580 Rout 52, Bldg. 504, Hopewell Junction, NY 12533-6531.   |    |  |  |  |
|   |                                       | YAMIN LI et al., "AIZUP-A PIPELINED PROCESSOR DESIGN & IMPLEMENTATION ON XILINX FPGA CHIP," IEEE, September 1996, pp 98-106, 98-106, IEEE, 3 Park Avenue, 17th Floor, New York, NY 10016-5997   |    |  |  |  |
|   |                                       | RALPH D. WITTIG et al., "ONECHIP: AN FPGA PROCESSOR WITH RECONFIGURABLE LOGIC, April 17, 1996, pp 126-135, IEEE, 3 Park Avenue, 17th Floor, New York, NY 10016-5997   |    |  |  |  |
| XILINX, INC., "THE PROGRAMMAE<br>3-50, Xilinx, Inc., 2100 Logic Drive, Sa |                                       | XILINX, INC., "THE PROGRAMMABLE LOGIC DATA BOOK," January 27, 1999, Ch. 3, pp 3-1 TO 3-50, Xilinx, Inc., 2100 Logic Drive, San Jose, CA 95124   |    |  |  |  |
|   |                                       | WILLIAM B. ANDREW et al., "A FIELD PROGRAMMABLE SYSTEM CHIP WHICH COMBINES FFGA & ASIC CIRCUITRY," IEEE, May 16, 1999, pp. 183-186, IEEE, 3 Park Avenue, 17th Floor, New York, NY 10016-5997  |    |  |  |  |
| IJ  |                                       | XILINX, INC., "THE PROGRAMMABLE LOGIC DATA BOOK," 2000, Ch. 3 pp 3-1 TO 3-117, Xilinx, Inc., 2100 Logic Drive, San Jose, CA 95124   |    |  |  |  |

Examiner Signature Date Considered D9/27/201

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|-------------------------|-------------------|--|--|--|--|
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| First Named Inventor    | Warren E. Cory    |  |  |  |  |
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| Examiner Name           | Unknown           |  |  |  |  |
| Attorney Docket Number  | X-1045 US         |  |  |  |  |

|                        |             |   | U.S. PATENT                    | DOCUMENTS  |   |
|------------------------|-------------|---|--------------------------------|--|---|
| Examiner<br>Initials * | Cite<br>No. | Document Number Number - Kind Code (il known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Floures Appear |
| Ω.                     |             | US- 6,011,407                                 | 01-04-00                       | New  | Figures Appear  |
| ,                      |             | US- 6,172,990                                 | 01-09-01                       | Deb et al.   |   |
|                        |             | US- 10/001,871                                | 11-19-01                       | Douglass et al.                                    |   |
|                        |             | US- 5,760,607                                 | 06-02-98                       | Leeds et al.                                       | RECEIVED  |
|                        |             | US- 5,892,961                                 | 04-06-99                       | Trimberger   | THE VEIVED  |
|                        |             | US- 09/991,412                                | 11-16-01                       | Herron et al.                                      | JAN 2-2-2004  |
|                        |             | US- 6,510,548                                 | 01-21-03                       | Squires  | JAN & & EUU4  |
|                        | <del></del> | US- 09/991,410                                | 11-16-01                       | Herron et al.                                      | Tachaclasy Caster 0000  |
|                        |             | US- 6,178,541                                 | 01-23-01                       | Joly et al.  | Technology Center 2600  |
|                        |             | US- 09/968,446                                | 09-28-01                       | Douglass et al.                                    |   |
|                        | **********  | US- 2001/0049813                              | 12-06-01                       | Chan et al.  |   |
|                        |             | US- 5,914,902                                 | 06-22-99                       | Lawrence et al.                                    |   |
|                        |             | US- 2003/0062922                              | 04-03-03                       | Douglass et al.                                    |   |
|                        |             | US- 6,154,051                                 | 11-28-00                       | Nguyen et al.                                      |   |
|                        |             | US- 6,181,163                                 | 01-30-01                       | Agrawal et al.                                     |   |
|                        |             | US- 6,356,987                                 | 03-12-02                       | Aulas  |   |
|                        |             | US- 6,301,696                                 | 10-09-01                       | Lien et al.  | 1   |
|                        |             | US- 6,211,697                                 | 04-03-01                       | Lien et al.  |   |
|                        |             | US- 6,163,166                                 | 12-19-00                       | Bielby et al.                                      |   |
| जा                     |             | US- 6,272,451                                 | 08-07-01                       | Mason et al.                                       |   |

|                        | FOREIGN PATENT DOCUMENTS |   |                  |                             |   |            |  |  |  |
|------------------------|--------------------------|---|------------------|-----------------------------|---|------------|--|--|--|
| Examiner<br>Initials * | Cite                     | Foreign Patent Document   | Publication Date | Name of Patentee or         | Pages, Columns, Lines,<br>Where Relevant Passages | <b>T</b> 0 |  |  |  |
|                        | No.'                     | Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>3</sup> (If known) | MM-DD-YYYY       | Applicant of Cited Document | or Relevant                                       | Τ,         |  |  |  |
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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|-------------------------|------------------------|---|------|--|--|--|--|
| Application / Conf. No. | 10/090,251             | 1 | 4101 |  |  |  |  |
| Filing Date             | March 01, 2002         |   |      |  |  |  |  |
| First Named Inventor    | Warren E. Cory<br>2631 |   |      |  |  |  |  |
| Art Unit                |                        |   |      |  |  |  |  |
| Examiner Name           | Unknown                |   |      |  |  |  |  |
| Attorney Docket Number  | X-1045 US              |   | 1    |  |  |  |  |

|                        |                          | OTHER - NON PATENT LITERATURE DOCUMENTS   |    |
|------------------------|--------------------------|---|----|
| Examiner<br>Initials * | Cite<br>No <sup>-1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T² |
| (F)                    |                          | XILINX, INC., "THE PROGRAMMABLE LOGIC DATA BOOK," 2000, Ch 3, pp 3-7 TO 3-17; 3-76 TO 3-87, Xilinx, Inc., 2100 Logic Drive, San Jose, CA. 95124.  |    |
| 4                      |                          | INTERNATIONAL BUSINESS MACHINES, "PROCESSOR LOCAL BUS" Architecture Specifications, 32-Bit Implementation, April 2000, First Edition, V2.9, pp. 1-76, IBM Corporation, Department H83A, P.O. Box 12195, Research Triangle Park, NC 27709                        |    |
| Ū.                     |                          | XILINX, INC., "VIRTEX II PLATFORM FPGA HANDBOOK, December 6, 2000, v1.1, pp 33-75, Xilinx, Inc., 2100 Logic Drive, San Jose, CA. 95124.   | •  |
|                        |                          | RECEIVED  |    |
|                        |                          | JAN 2 2 2004  |    |
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<sup>&#</sup>x27;Applicant's unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.

Sheet

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#### **INFORMATION DISCLOSURE** STATEMENT BY APPLICANT

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| Application / Conf. No. | 10/090,251 / 410 | 1 |  |  |  |  |
| Filing Date             | March 01, 2002   |   |  |  |  |  |
| First Named Inventor    | Warren E. Cory   |   |  |  |  |  |
| Art Unit                | 2631             |   |  |  |  |  |
| Examiner Name           | Unknown          |   |  |  |  |  |
| Attorney Docket Number  | X-1045 US        |   |  |  |  |  |

|                        |              |   | U.S. PATENT                    | DOCUMENTS  |   |
|------------------------|--------------|---|--------------------------------|--|---|
| Examiner<br>Initials * | Cite<br>No.' | Document Number Number - Kind Code (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
| (I)                    |              | US- 6,519,753                                 | 02-11-03                       | Ang  | Lightes Spices  |
| 1                      |              | US- 6,434,735                                 | 08-13-02                       | Watkins  |   |
|                        |              | US- 6,588,006                                 | 07-01-03                       | Watkins  |   |
|                        |              | US- 6,539,508                                 | 03-25-03                       | Patrie et al.                                      |   |
| T                      |              | US- 6,587,995                                 | 07-01-03                       | Duboc et al.                                       |   |
|                        |              | US- 6,242,945                                 | 06-05-01                       | New  |   |
| 1-1                    |              | US- 6,460,172                                 | 10-01-02                       | Insenser Farre et al.                              |   |
| 1                      |              | US- 6,353,331                                 | 03-05-02                       | Shimanek   |   |
|                        |              | US- 6,507,942                                 | 01-14-03                       | Calderone et al.                                   |   |
|                        |              | US- 6,518,787                                 | 02-11-03                       | Allegrucci et al.                                  |   |
| _                      |              | US- 6,611,951                                 | 08-26-03                       | Tetelbaum et al.                                   | RECEIVED  |
|                        |              | US- 6,522,167                                 | 02-18-03                       | Ansari et al.                                      | TILOLIVED   |
| _                      |              | US- 6,532,572                                 | 03-11-03                       | Tetelbaum  |   |
| -                      |              | US- 6,541,991                                 | 04-01-03                       | Horncheck et al.                                   | JAN 2 2 2004  |
|                        |              | US- 09/858,732                                | 05-15-01                       | Schulz   | - L L 0to- 0000   |
| -11                    |              | US- 09/861,112                                | 05-18-01                       | Dao et al.   | Technology Center 2600  |
| 1                      |              | US- 6,601,227                                 | 07-29-03                       | Trimberger   |   |
| T                      |              | US- 09/917,304                                | 07-27-01                       | Douglass et al.                                    |   |
| ₩-                     |              | US-   |                                |  |   |
| i                      |              | US-   | <del> </del>                   |  |   |

|                        | FOREIGN PATENT DOCUMENTS |  |                                |  |  |              |  |  |
|------------------------|--------------------------|--|--------------------------------|--|--|--------------|--|--|
| Examiner<br>Initials * | Cite                     | Foreign Patent Document  | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant<br>Figures Appear | 7.5          |  |  |
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First Named Inventor Warren E. Cory Art Unit **Examiner Name** Unknown

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|                        |              |   | U.S. PATENT                    | DOCUMENTS  |   |
|------------------------|--------------|---|--------------------------------|--|---|
| Examiner<br>Initials * | Cite<br>No.1 | Document Number Number - Kind Code (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Floures Appear |
| M.                     |              | US- 5,361,373                                 | 11-01-94                       | Gilson   |   |
|                        |              | US- 5,537,601                                 | 07-16-96                       | Kimura et al.                                      |   |
|                        |              | US- 5,652,904                                 | 07-29-97                       | Trimberger   |   |
|                        |              | US- 5,671,355                                 | 09-23-97                       | Collins  |   |
|                        |              | US- 5,752,035                                 | 05-12-98                       | Trimberger   |   |
|                        |              | US- 5,970,254                                 | 10-19-99                       | Cooke et al.                                       |   |
|                        |              | US- 6,020,755                                 | 02-01-00                       | Andrews et al.                                     | RECEIVED  |
|                        |              | US- 6,096,091                                 | 08-01-00                       | Hartmann   |   |
| i                      |              | US- 6,279,045 B1                              | 08-21-01                       | Muthujumaraswathy et al.                           | MAY 3 0 2002  |
| i                      |              | US- 6,282,627 B1                              | 08-28-01                       | Wong et al.  |   |
| W                      |              | US- 6,343,207 B1                              | 01-29-02                       | Hessel et al.                                      | Technology Center 2600  |
|                        |              | US-   |                                |  |   |
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|            | FOREIGN PATENT DOCUMENTS |   |                  |  |   |    |  |  |  |
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| Examiner   | Cite                     | Foreign Patent Document   | Publication Date | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages | Τ. |  |  |  |
| initials * | No.1                     | Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>3</sup> (il known) | MM-DD-YYYY       | Applicant of Cited Document                        | or Relevant                                       | 1. |  |  |  |
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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE RADES Stitute for form 1449A/PTO Complete if Known 10/090,251 4101 Application / Conf. No. INFORMATION DISCLOSURE **Filing Date** March 01, 2002 First Named Inventor Warren E. Cory STATEMENT BY APPLICANT **Art Unit** 2631 **Examiner Name** (use as many sheets as necessary) Unknown

Attorney Docket Number

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| OTHER NON PATENT LITERATURE DOCUMENTS |                          |   |    |  |  |  |
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| Examiner Initials *                   | Cite<br>No <sup>-1</sup> | include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | Τ, |  |  |  |
| M                                     |                          | Cary D. Snyder and Max Baron; "Xilinx's A-to-Z System Platform"; Cahners Microprocessor; The Insider's Guide to Microprocessor Hardware; Microdesign Resources; February 6, 2001; pp. 1-5.  |    |  |  |  |
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